

Christian Teichert

List of Publications by Year in descending order

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231
papers

6,689
citations

94381

37
h-index

85498

71
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237
all docs

237
docs citations

237
times ranked

6093
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Organization in Growth of Quantum Dot Superlattices. <i>Physical Review Letters</i> , 1996, 76, 1675-1678.	2.9	1,175
2	Self-organization of nanostructures in semiconductor heteroepitaxy. <i>Physics Reports</i> , 2002, 365, 335-432.	10.3	436
3	Layer-by-layer growth of Ag on Ag(111) induced by enhanced nucleation: A model study for surfactant-mediated growth. <i>Physical Review Letters</i> , 1993, 71, 895-898.	2.9	259
4	Stress-induced self-organization of nanoscale structures in SiGe/Si multilayer films. <i>Physical Review B</i> , 1996, 53, 16334-16337.	1.1	233
5	Characterization of Step-Edge Barriers in Organic Thin-Film Growth. <i>Science</i> , 2008, 321, 108-111.	6.0	190
6	Adatom yields, sputtering yields, and damage patterns of single-ion impacts on Pt(111). <i>Physical Review B</i> , 1994, 50, 11156-11166.	1.1	111
7	Element Specific Magnetization of Buried Interfaces Probed by Diffuse X-Ray Resonant Magnetic Scattering. <i>Physical Review Letters</i> , 1996, 77, 3925-3928.	2.9	105
8	Oriented Sexiphenyl Single Crystal Nanoneedles on TiO ₂ (110). <i>Advanced Materials</i> , 2004, 16, 2159-2162.	11.1	89
9	Comparison of surface roughness of polished silicon wafers measured by light scattering topography, soft X-ray scattering, and atomic force microscopy. <i>Applied Physics Letters</i> , 1995, 66, 2346-2348.	1.5	78
10	Correlated-interfacial-roughness anisotropy in Si _{1-x} Ge _x /Si superlattices. <i>Physical Review B</i> , 1994, 50, 14435-14445.	1.1	77
11	Temporal evolution of dot patterns during ion sputtering. <i>Physical Review B</i> , 2003, 68, .	1.1	75
12	Self-organized nanostructures in Si _{1-x} Ge _x films on Si(001). <i>Applied Physics A: Materials Science and Processing</i> , 1998, 67, 675-685.	1.1	73
13	Conversion of carbonaceous material to graphite within the Greywacke Zone of the Eastern Alps. <i>International Journal of Earth Sciences</i> , 2004, 93, 959-973.	0.9	67
14	Nuclei of the Pt(111) network reconstruction created by single ion impacts. <i>Physical Review Letters</i> , 1994, 72, 1682-1685.	2.9	66
15	Influence of surface temperature and surface modifications on the initial layer growth of para-hexaphenyl on mica (001). <i>Surface Science</i> , 2007, 601, 2152-2160.	0.8	65
16	Initial stages of a para-hexaphenyl film growth on amorphous mica. <i>Physical Review B</i> , 2011, 83, .	1.1	65
17	Freestanding, Highly Flexible, Large Area, Nanoporous Alumina Membranes with Complete Through-Hole Pore Morphology. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 2352-2359.	1.0	63
18	What holds paper together: Nanometre scale exploration of bonding between paper fibres. <i>Scientific Reports</i> , 2013, 3, 2432.	1.6	59

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19	Smooth Growth of Organic Semiconductor Films on Graphene for High-Efficiency Electronics. Nano Letters, 2011, 11, 333-337.	4.5	58
20	Molecular alignments in sexiphenyl thin films epitaxially grown on muscovite. Thin Solid Films, 2003, 443, 108-114.	0.8	56
21	Effects of polymethylmethacrylate-transfer residues on the growth of organic semiconductor molecules on chemical vapor deposited graphene. Applied Physics Letters, 2015, 106, .	1.5	54
22	Nucleation and growth of thin films of rod-like conjugated molecules. Journal of Physics Condensed Matter, 2013, 25, 143202.	0.7	50
23	Atomic force microscopy based manipulation of graphene using dynamic plowing lithography. Nanotechnology, 2013, 24, 015303.	1.3	50
24	AFM nanoindentation of pulp fibers and thin cellulose films at varying relative humidity. Holzforschung, 2014, 68, 53-60.	0.9	49
25	Nanoscale morphological and electrical homogeneity of HfO ₂ and ZrO ₂ thin films studied by conducting atomic-force microscopy. Journal of Applied Physics, 2005, 97, 074315.	1.1	48
26	Long-term stability of the IT-SOFC cathode materials La _{0.6} Sr _{0.4} CoO ₃ and La ₂ NiO ₄ against combined chromium and silicon poisoning. Solid State Ionics, 2015, 276, 62-71.	1.3	47
27	Spontaneous rearrangement of para-sexiphenyl crystallites into nano-fibers. Applied Physics A: Materials Science and Processing, 2006, 82, 665-669.	1.1	46
28	Interplay of dislocation network and island arrangement in SiGe films grown on Si(001). Thin Solid Films, 2000, 380, 25-28.	0.8	44
29	Self-organized semiconductor surfaces as templates for nanostructured magnetic thin films. Applied Physics A: Materials Science and Processing, 2003, 76, 653-664.	1.1	44
30	Coherent random lasing in the deep blue from self-assembled organic nanofibers. Journal of Applied Physics, 2006, 99, 034305.	1.1	42
31	Adhesion of cellulose fibers in paper. Journal of Physics Condensed Matter, 2013, 25, 045002.	0.7	42
32	Inverted bulk-heterojunction solar cell with cross-linked hole-blocking layer. Organic Electronics, 2014, 15, 997-1001.	1.4	41
33	Epitaxially Grown Films of Standing and Lying Pentacene Molecules on Cu(110) Surfaces. Crystal Growth and Design, 2011, 11, 1015-1020.	1.4	39
34	Electrical properties of ZnO nanorods studied by conductive atomic force microscopy. Journal of Applied Physics, 2011, 110, .	1.1	39
35	Fabrication of nanomagnet arrays by shadow deposition on self-organized semiconductor substrates. Applied Physics Letters, 1999, 74, 588-590.	1.5	37
36	Design and application of photo-reversible elastomer networks by using the [4+4] cycloaddition reaction of pendant anthracene groups. Polymer, 2016, 102, 10-20.	1.8	37

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37	Growth kinetics, structure, and morphology of para-quaterphenyl thin films on gold(111). Journal of Chemical Physics, 2004, 121, 2272-2277.	1.2	36
38	Characterization of silicon gate oxides by conducting atomic force microscopy. Surface and Interface Analysis, 2002, 33, 168-172.	0.8	34
39	Modification and characterization of thin silicon gate oxides using conducting atomic force microscopy. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 102, 88-93.	1.7	34
40	Inkjet Printing of Soft, Stretchable Optical Waveguides through the Photopolymerization of High-Profile Linear Patterns. ACS Applied Materials & Interfaces, 2017, 9, 4941-4947.	4.0	34
41	Switching "on" and "off" the adhesion in stimuli-responsive elastomers. Soft Matter, 2018, 14, 2547-2559.	1.2	34
42	Shape of Picoliter Droplets on Chemically Striped Patterned Substrates. Langmuir, 2014, 30, 11574-11581.	1.6	33
43	Combining adhesive contact mechanics with a viscoelastic material model to probe local material properties by AFM. Soft Matter, 2018, 14, 140-150.	1.2	33
44	Self-Organized Hexagonal Patterns of Independent Magnetic Nanodots. Advanced Materials, 2007, 19, 4375-4380.	11.1	32
45	Optical properties of highly transparent polypropylene cast films: Influence of material structure, additives, and processing conditions. Polymer Engineering and Science, 2006, 46, 520-531.	1.5	31
46	Structure and morphology of sexiphenyl thin films grown on aluminium (111). Organic Electronics, 2004, 5, 45-51.	1.4	29
47	Morphology and growth kinetics of organic thin films deposited by hot wall epitaxy. Organic Electronics, 2004, 5, 23-27.	1.4	29
48	Surface compositional gradients of InAs/GaAs quantum dots. Applied Physics Letters, 2005, 87, 223106.	1.5	29
49	Highly transparent polypropylene cast films: Relationships between optical properties, additives, and surface structure. Polymer Engineering and Science, 2007, 47, 1021-1032.	1.5	29
50	Joint strength measurements of individual fiber-fiber bonds: An atomic force microscopy based method. Review of Scientific Instruments, 2012, 83, 073902.	0.6	29
51	UV-induced modulation of the conductivity of polyaniline: towards a photo-patternable charge injection layer for structured organic light emitting diodes. Journal of Materials Chemistry, 2012, 22, 2922-2928.	6.7	29
52	Photoresponse from single upright-standing ZnO nanorods explored by photoconductive AFM. Beilstein Journal of Nanotechnology, 2013, 4, 208-217.	1.5	29
53	Tuning Kinetics to Control Droplet Shapes on Chemically Striped Patterned Surfaces. Langmuir, 2012, 28, 13137-13142.	1.6	28
54	Imaging of the formerly bonded area of individual fibre to fibre joints with SEM and AFM. Cellulose, 2014, 21, 251-260.	2.4	28

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55	Effect of the Polymer Chain Arrangement on Exciton and Polaron Dynamics in P3HT and P3HT:PCBM Films. <i>Journal of Physical Chemistry C</i> , 2018, 122, 17096-17109.	1.5	28
56	Mechanical Properties of cellulose fibers measured by Brillouin spectroscopy. <i>Cellulose</i> , 2020, 27, 4209-4220.	2.4	28
57	Anti-adhesive layers on stainless steel using thermally stable dipodal perfluoroalkyl silanes. <i>Applied Surface Science</i> , 2017, 416, 824-833.	3.1	27
58	Recent developments in surface science and engineering, thin films, nanoscience, biomaterials, plasma science, and vacuum technology. <i>Thin Solid Films</i> , 2018, 660, 120-160.	0.8	27
59	Thin SiGe buffers with high Ge content for n-MOSFETs. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2002, 89, 341-345.	1.7	26
60	The epitaxial sexiphenyl (001) monolayer on TiO ₂ (110): A grazing incidence X-ray diffraction study. <i>Surface Science</i> , 2006, 600, 4645-4649.	0.8	26
61	Diffusion versus sticking anisotropy: Anisotropic growth of organic molecular films. <i>Surface Science</i> , 2006, 600, L313-L317.	0.8	26
62	Dynamics of Monolayer "Island Transitions in 2,7-Dioctylbenzothienobenzothiophene Thin Films. <i>ChemPhysChem</i> , 2013, 14, 2554-2559.	1.0	26
63	Observation of elastic modulus inhomogeneities in thermosetting epoxies using AFM " Discerning facts and artifacts. <i>Polymer</i> , 2014, 55, 4032-4040.	1.8	26
64	Epitaxy of highly ordered organic semiconductor crystallite networks supported by hexagonal boron nitride. <i>Scientific Reports</i> , 2016, 6, 38519.	1.6	26
65	Probing charge transfer between molecular semiconductors and graphene. <i>Scientific Reports</i> , 2017, 7, 9544.	1.6	25
66	The multilayer growth mode in the epitaxy of Ag on Ag(111) analysed by SPALEED. <i>Surface Science</i> , 1994, 307-309, 570-575.	0.8	24
67	Ion beam sputtered nanostructured semiconductor surfaces as templates for nanomagnet arrays. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 224025.	0.7	24
68	Determination of critical island size in para-sexiphenyl islands on SiO ₂ using capture-zone scaling. <i>EPL Applied Physics</i> , 2011, 55, 23902.	0.3	24
69	Thin cellulose films as a model system for paper fibre bonds. <i>Cellulose</i> , 2014, 21, 237-249.	2.4	24
70	Phase decomposition in the chromium- and silicon-poisoned IT-SOFC cathode materials La _{0.6} Sr _{0.4} CoO _{3-δ} and La ₂ NiO _{4+δ} . <i>Solid State Ionics</i> , 2016, 288, 14-21.	1.3	24
71	Self-organization of Nanostructures in Inorganic and Organic Semiconductor Systems. <i>Advanced Engineering Materials</i> , 2006, 8, 1057-1065.	1.6	23
72	Polymorphism of dioctyl-terthiophene within thin films: The role of the first monolayer. <i>Chemical Physics Letters</i> , 2015, 630, 12-17.	1.2	23

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73	Ion bombardment induced morphology modifications on self-organized semiconductor surfaces. Nuclear Instruments & Methods in Physics Research B, 2004, 216, 178-184.	0.6	22
74	Non-destructive characterization of vertical ZnO nanowire arrays by slow positron implantation spectroscopy, atomic force microscopy, and nuclear reaction analysis. Nanotechnology, 2007, 18, 195301.	1.3	22
75	Synthesis-structure relations for reactive magnetron sputtered V2O5 films. Surface and Coatings Technology, 2008, 202, 1551-1555.	2.2	22
76	Surface planarization and masked ion-beam structuring of YBa2Cu3O7 thin films. Thin Solid Films, 2010, 518, 7075-7080.	0.8	22
77	Replication of Stochastic and Geometric Micro Structures - Aspects of Visual Appearance. International Polymer Processing, 2011, 26, 313-322.	0.3	22
78	Cross-linking of ROMP derived polymers using the two-photon induced thiol-ene reaction: towards the fabrication of 3D-polymer microstructures. Polymer Chemistry, 2013, 4, 1708.	1.9	22
79	Reversibility of temperature driven discrete layer-by-layer formation of dioctyl-benzothieno-benzothiophene films. Soft Matter, 2017, 13, 2322-2329.	1.2	22
80	How do nanoislands induced by ion sputtering evolve during the early stage of growth?. Journal of Applied Physics, 2004, 96, 2244-2248.	1.1	21
81	Pattern formation in para-quateryphenyl film growth on gold substrates. Synthetic Metals, 2004, 146, 383-386.	2.1	21
82	Self-organization of para-sexiphenyl on crystalline substrates. Physica Status Solidi A, 2005, 202, 2376-2385.	1.7	21
83	Microstructure and Phase Behavior of a Quinquethiophene-Based Self-Assembled Monolayer as a Function of Temperature. Journal of Physical Chemistry C, 2011, 115, 22925-22930.	1.5	21
84	The influence of substrate temperature on growth of para-sexiphenyl thin films on Ir{111} supported graphene studied by LEEM. Surface Science, 2012, 606, 475-480.	0.8	21
85	The effects of water uptake on mechanical properties of viscose fibers. Cellulose, 2015, 22, 2777-2786.	2.4	21
86	Thin film growth of aromatic rod-like molecules on graphene. Nanotechnology, 2016, 27, 292001.	1.3	21
87	Surface analysis of epitaxially grown GeSn alloys with Sn contents between 15% and 18%. Surface and Interface Analysis, 2017, 49, 297-302.	0.8	21
88	The influence of substrate temperature on the structure and morphology of sexiphenyl thin films on Au(111). Applied Physics A: Materials Science and Processing, 2007, 87, 103-111.	1.1	20
89	From Permeation to Cluster Arrays: Graphene on Ir(111) Exposed to Carbon Vapor. Nano Letters, 2017, 17, 3105-3112.	4.5	20
90	Piezoelectric Properties of Zinc Oxide Thin Films Grown by Plasma-Enhanced Atomic Layer Deposition. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 2000319.	0.8	20

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91	Optimization of plasma-assisted chemical vapour deposition hard coatings for their application in aluminium die-casting. <i>Surface and Coatings Technology</i> , 2001, 142-144, 1005-1011.	2.2	19
92	Self-assembling (nano-)wrinkling topography formation in low-temperature vacuum deposition on soft polymer surfaces. <i>Thin Solid Films</i> , 2012, 520, 2833-2840.	0.8	19
93	Micro four-point probe investigation of individual ZnO grain boundaries in a varistor ceramic. <i>Journal of the European Ceramic Society</i> , 2014, 34, 1963-1970.	2.8	19
94	Comprehensive investigation of the viscoelastic properties of PMMA by nanoindentation. <i>Polymer Testing</i> , 2021, 93, 106978.	2.3	19
95	Structural, electrical and magnetic measurements on oxide layers grown on 316L exposed to liquid lead-bismuth eutectic. <i>Journal of Nuclear Materials</i> , 2012, 421, 140-146.	1.3	18
96	Magnetic force imaging of a chain of biogenic magnetite and Monte Carlo analysis of tip-particle interaction. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 235403.	1.3	18
97	Reconstruction of the domain orientation distribution function of polycrystalline PZT ceramics using vector piezoresponse force microscopy. <i>Scientific Reports</i> , 2018, 8, 422.	1.6	18
98	Interfacial Band Engineering of MoS ₂ /Gold Interfaces Using Pyrimidine-Containing Self-Assembled Monolayers: Toward Contact-Resistance-Free Bottom-Contacts. <i>Advanced Electronic Materials</i> , 2020, 6, 2000110.	2.6	18
99	Substrate selected polymorphism of epitaxially aligned tetraphenyl-porphyrin thin films. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 262-272.	1.3	17
100	Analysis of lignin precipitates on ozone treated kraft pulp by FTIR and AFM. <i>Cellulose</i> , 2012, 19, 249-256.	2.4	17
101	Atomic Force Microscopy as a Tool to Explore Triboelectrostatic Phenomena in Mineral Processing. <i>Chemie-Ingenieur-Technik</i> , 2014, 86, 857-864.	0.4	17
102	Growth of <i>para</i> -Hexaphenyl Thin Films on Flat, Atomically Clean versus Air-Passivated TiO ₂ (110) Surfaces. <i>Journal of Physical Chemistry C</i> , 2015, 119, 17004-17015.	1.5	17
103	Structure and morphology of quaterphenyl thin films on Au(111)-The influence of surface contamination by carbon. <i>Journal of Crystal Growth</i> , 2005, 283, 397-403.	0.7	16
104	X-ray based tools for the investigation of buried interfaces in organic electronic devices. <i>Organic Electronics</i> , 2013, 14, 479-487.	1.4	16
105	Synthesis of a Photosensitive Thiocyanate-Functionalized Trialkoxysilane and Its Application in Patterned Surface Modifications. <i>Chemistry of Materials</i> , 2008, 20, 2009-2015.	3.2	15
106	Electrical characterization of ZnO multilayer varistors on the nanometre scale with conductive atomic force microscopy. <i>Journal of the European Ceramic Society</i> , 2010, 30, 1761-1764.	2.8	15
107	Diffusion and submonolayer growth of <i>para</i> -sexiphenyl on Ir(111) and Ir(111)-supported graphene. <i>IBM Journal of Research and Development</i> , 2011, 55, 15:1-15:7.	3.2	15
108	Cantilever bending based on humidity-actuated mesoporous silica/silicon bilayers. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 637-644.	1.5	15

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109	Adsorption and epitaxial growth of small organic semiconductors on hexagonal boron nitride. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 383001.	1.3	15
110	Conductive Atomic-Force Microscopy Investigation of Nanostructures in Microelectronics. <i>Nanoscience and Technology</i> , 2011, , 691-721.	1.5	15
111	Nanometer scale characterization of polymer films by atomic-force microscopy. <i>Macromolecular Symposia</i> , 2002, 181, 457-466.	0.4	14
112	Optical properties of polymer films for transparent insulation. <i>Macromolecular Symposia</i> , 2002, 181, 399-410.	0.4	14
113	Effect of Material Structure and Additives on the Optical Properties of PP Cast Films. <i>Monatshefte für Chemie</i> , 2006, 137, 887-897.	0.9	14
114	Mechanisms for self-assembling topography formation in low-temperature vacuum deposition of inorganic coatings on polymer surfaces. <i>Bulletin of the Polish Academy of Sciences: Technical Sciences</i> , 2010, 58, .	0.8	14
115	Carrier transfer effect on transport in <i>p-i-n</i> structures with Ge quantum dots. <i>Physical Review B</i> , 2011, 84, .	1.1	14
116	Characterization of antiphase domains on GaAs grown on Ge substrates by conductive atomic force microscopy for photovoltaic applications. <i>Solar Energy Materials and Solar Cells</i> , 2011, 95, 1949-1954.	3.0	14
117	Novel aspects on the irradiation of HOPG surfaces with slow highly charged ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2013, 315, 252-256.	0.6	14
118	Mechanisms of topography formation of magnetron-sputtered chromium-based coatings on epoxy polymer composites. <i>Surface and Coatings Technology</i> , 2014, 241, 80-85.	2.2	14
119	Two-dimensional talc as a van der Waals material for solid lubrication at the nanoscale. <i>Nanotechnology</i> , 2021, 32, 265701.	1.3	14
120	Para-sexiphenyl thin films grown by hot wall epitaxy on KCl(001) substrates. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2006, 24, 1660-1663.	0.9	13
121	Analysis of precipitated lignin on kraft pulp fibers using atomic force microscopy. <i>Cellulose</i> , 2012, 19, 1013-1021.	2.4	13
122	Principal Factors of Contact Charging of Minerals for a Successful Triboelectrostatic Separation Process – a Review. <i>BHM-Zeitschrift Für Rohstoffe Geotechnik Metallurgie Werkstoffe Maschinen-Und Anlagentechnik</i> , 2016, 161, 359-382.	0.4	13
123	Effects of hole-transport layer homogeneity in organic solar cells – A multi-length scale study. <i>Surfaces and Interfaces</i> , 2017, 6, 72-80.	1.5	13
124	Transverse viscoelastic properties of pulp fibers investigated with an atomic force microscopy method. <i>Journal of Materials Science</i> , 2019, 54, 11448-11461.	1.7	13
125	Characterization of 6H-SiC surfaces after ion implantation and annealing using positron annihilation spectroscopy and atomic force microscopy. <i>Journal of Applied Physics</i> , 2006, 99, 023523.	1.1	12
126	Controlling molecular orientation of OMBE grown 6P thin films on mica(001). <i>Surface Science</i> , 2007, 601, 2584-2587.	0.8	12

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127	Conductive atomic force microscopy study of InAs growth kinetics on vicinal GaAs (110). Applied Physics Letters, 2009, 95, .	1.5	12
128	Photoreactive molecular layers containing aryl ester units: Preparation, UV patterning and post-exposure modification. Materials Chemistry and Physics, 2010, 119, 287-293.	2.0	12
129	Pattern formation in PbTe multilayer films. Surface Science, 2000, 454-456, 823-826.	0.8	11
130	Imaging of magnetic nanodots on self-organized semiconductor substrates. Physical Review B, 2005, 71, .	1.1	11
131	Characterization of ZnO nanostructures: A challenge to positron annihilation spectroscopy and other methods. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 2556-2560.	0.8	11
132	Electrical and photovoltaic properties of self-assembled Ge nanodomains on Si(001). Physical Review B, 2012, 86, .	1.1	11
133	Ion beam irradiation of cuprate high-temperature superconductors: Systematic modification of the electrical properties and fabrication of nanopatterns. Nuclear Instruments & Methods in Physics Research B, 2012, 272, 300-304.	0.6	11
134	Voltage polarity dependent current paths through polycrystalline ZnO varistors. Journal of the European Ceramic Society, 2013, 33, 3473-3476.	2.8	11
135	Island shape anisotropy in organic thin film growth induced by ion-beam irradiated rippled surfaces. Physical Chemistry Chemical Physics, 2014, 16, 26112-26118.	1.3	11
136	Modifying cellulose fibers by adsorption/precipitation of xylan. Cellulose, 2015, 22, 189-201.	2.4	11
137	How xylan effects the breaking load of individual fiberâ€“fiber joints and the single fiber tensile strength. Cellulose, 2015, 22, 849-859.	2.4	11
138	Evaporative gold nanorod assembly on chemically stripe-patterned gradient surfaces. Journal of Colloid and Interface Science, 2015, 449, 261-269.	5.0	11
139	The Cellulose Source Matters-Hollow Semi Spheres or Fibers by Needleless Electrospinning. Macromolecular Materials and Engineering, 2016, 301, 42-47.	1.7	11
140	Alkyl chain assisted thin film growth of 2,7-dioctyloxy-benzothienobenzothiophene. Journal of Materials Chemistry C, 2019, 7, 8477-8484.	2.7	11
141	A minimal continuum representation of a transverse isotropic viscoelastic pulp fibre based on micromechanical measurements. Mechanics of Materials, 2019, 135, 149-161.	1.7	11
142	Single-step fabrication and work function engineering of Langmuir-Blodgett assembled few-layer graphene films with Li and Au salts. Scientific Reports, 2020, 10, 8476.	1.6	11
143	TRIBOLOGY OF BIO-INSPIRED NANOWRINKLED FILMS ON ULTRASOFT SUBSTRATES. Computational and Structural Biotechnology Journal, 2013, 6, e201303002.	1.9	10
144	Adhesion Tendency of Polymers to Hard Coatings. International Polymer Processing, 2013, 28, 415-420.	0.3	10

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145	Temperature dependent growth morphologies of parahexaphenyl on SiO ₂ supported exfoliated graphene. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2013, 31, 04D114.	0.6	10
146	Local charge trapping in Ge nanoclusters detected by Kelvin probe force microscopy. Applied Surface Science, 2016, 389, 783-789.	3.1	10
147	Twisted graphene in graphite: Impact on surface potential and chemical stability. Carbon, 2021, 176, 431-439.	5.4	10
148	Terahertz emission from layered GaTe crystal due to surface lattice reorganization and in-plane noncubic mobility anisotropy. Photonics Research, 2019, 7, 518.	3.4	10
149	Experimental investigation of the spin reorientation of Co/Au based magnetic nanodot arrays. Physical Review B, 2008, 77, .	1.1	9
150	Morphology characterization and friction coefficient determination of sputtered V ₂ O ₅ films. Thin Solid Films, 2010, 519, 1416-1420.	0.8	9
151	Photo-Fries-based photosensitive polymeric interlayers for patterned organic devices. Applied Physics A: Materials Science and Processing, 2012, 107, 985-993.	1.1	9
152	Topography effects in AFM force mapping experiments on xylan-decorated cellulose thin films. Holzforschung, 2016, 70, 1115-1123.	0.9	9
153	Molecules on rails: friction anisotropy and preferential sliding directions of organic nanocrystallites on two-dimensional materials. Nanoscale, 2018, 10, 18835-18845.	2.8	9
154	Longitudinal and transverse low frequency viscoelastic characterization of wood pulp fibers at different relative humidity. Materialia, 2021, 16, 101094.	1.3	9
155	Nanostructure formation on ion-eroded SiGe film surfaces. Superlattices and Microstructures, 2004, 36, 281-291.	1.4	8
156	Layer Dependent Wetting in Parahexaphenyl Thin Film Growth on Graphene. E-Journal of Surface Science and Nanotechnology, 2014, 12, 31-39.	0.1	8
157	Massive and massless charge carriers in an epitaxially strained alkali metal quantum well on graphene. Nature Communications, 2020, 11, 1340.	5.8	8
158	Size distribution and dot shape of self-assembled quantum dots induced by ion sputtering. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 25, 425-430.	1.3	7
159	Effect of Ge Nanoislands on Lateral Photoconductivity of Ge-SiO ₂ /Si Structures. Advanced Materials Research, 0, 276, 179-186.	0.3	7
160	Investigating inhomogeneous electronic properties of radial junction solar cells using correlative microscopy. Japanese Journal of Applied Physics, 2015, 54, 08KA08.	0.8	7
161	A compressible plasticity model for pulp fibers under transverse load. Mechanics of Materials, 2021, 153, 103672.	1.7	7
162	Morphological characterization of semi-crystalline POM using nanoindentation. International Journal of Polymer Analysis and Characterization, 2021, 26, 692-706.	0.9	7

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163	Iron-rich talc as air-stable platform for magnetic two-dimensional materials. Npj 2D Materials and Applications, 2021, 5, .	3.9	7
164	Characterization of a SiC/SiC composite by X-ray diffraction, atomic force microscopy and positron spectroscopies. Applied Surface Science, 2006, 252, 3342-3351.	3.1	6
165	Hierarchy of adhesion forces in patterns of photoreactive surface layers. Journal of Chemical Physics, 2009, 130, 044703.	1.2	6
166	Nanoscale electrical characterization of arrowhead defects in GaInP thin films grown on Ge. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2010, 28, C5G5-C5G10.	0.6	6
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